

## **CLAIMS**

1. A transformer having a structure in which a transformer body is accommodated in a case having a rectangular-parallelepiped shape, the case is filled with resin, and the resin is hardened,

characterized in that the case has one open face, side faces located at borders of the opening are partially removed, and tape is attached to cover the removed areas.

2. The transformer according to Claim 1, characterized in that the removed areas are located so as to leave edge areas other than the edge areas of the side faces, close to the opening.

3. The transformer according to Claim 1, characterized in that at least one of the side faces is partially removed at the removed area.

4. The transformer according to Claim 1, characterized in that the tape is attached by being wound around the side faces.

5. The transformer according to Claim 1, characterized in that at least coils and a core constituting the transformer body are coated with the resin.

6. The transformer according to Claim 1, characterized in that the material of the tape is selected from polyethylene terephthalate tape, polyimide tape, aramid tape, and epoxy-impregnated polyester tape.

7. A transformer having a structure in which a transformer body is accommodated in a case, the case is filled with resin, and the resin is hardened,

characterized in that the case has a bottom face and protrusions formed upright from the bottom face at four corners of the bottom face, and

tape is attached to the case so as to cover the protrusions from the outside of the case, and the tape serves as side faces of the case.

8. A transformer manufacturing method, comprising the steps of:  
making a case having a rectangular-parallelepiped shape, structured such that one face is opened and side faces located at borders of the opening are partially removed;  
winding tape around the case at the side faces so as to cover the removed areas at the side faces of the case; and  
filling the case with resin.

9. A transformer, comprising:  
a case having a rectangular-parallelepiped shape, structured such that one face is opened and side faces located at borders of the opening are partially removed; and  
a transformer body accommodated in the case,  
characterized in that tape is wound around the case at the side faces so as to cover the removed areas at the side faces of the case, then, the case is filled with resin, and the tape is removed from the case to manufacture the transformer.

10. A transformer manufacturing method, comprising the steps of:  
making a case having a rectangular-parallelepiped shape, structured such that one face is opened and side faces located at borders of the opening are partially removed;  
winding tape around the case at the side faces so as to cover the removed areas at the side faces of the case;  
filling the case with resin;  
hardening the resin; and  
removing the tape from the case.